

KAPLAN, M.M.

"Leptospirosis as world problem."

Report submitted to the Second Intl. Symp. on Human and Animal Leptospirosis,
Lublin, Poland 6-8 Dec 1962

KAPLAN, M.M. (Tashkent, Bol'shaya Mirobadskaya ul., tupik 1,d.9);
TSYGANOVA, A.I. (Tashkent, Bol'shaya Mirobadskaya ul., tupik 1,d.9)

Abstracts of articles received by the editors. Ortop., travm.i
protez. 24 no.9:49 S '63. (MIRA 17:4)

1. Iz Respublikanskogo detskogo kostnotuberkuleznogo sanatoriya
imeni Krupskoy Ministerstva zdravookhraneniya Uzbekskoy SSR
(glavnyy vrach - Kh.I.Yusupova).

KAPLAN, M. M.

Answers to readers' questions: Condensation of raw materials
in hydrolytic apparatus. Gidroliz. i lesokhim. prom. 9 no.4:
29-30 '56. (MLBA 9:11)

1. Nachal'nik tekhnologo-montashnogo otdela Gidrogidroliza.
(Hydrolysis)

KAPLAN, M.N.; GURNEVICH, E.Ye.

Standard plans for the main building of a hydrolysis yeast plant.
Gidrolis. i lesokhim. prom. 11 no.4:25-27 '58. (MIRA 11:6)

1. Gipregidrolis.

(Yeast)

KAPLAN, M.N., insh.; GURNEVICH, Ya.Ye., insh.

Manufacture of alcohol and furfural from the products of the
prehydrolysis of wood. Dum. prom. 33 no.2:6-8 F '58. (MIRA 11:3)

1. Giprogidrolis.

(Furaldehyde) (Alcohol) (Wood--Chemistry)

KAPLAN, M.M.; MARTYNEKO, K.D.; MOLOCHNYI, B.M.

Standard plan of a hydrolysis furfural plant. Hidroliz.i lesokhin.
prom. 12 10.3:25-29 '59. (MIRA 12:6)

1. Giprogidroliz.
(Hydrolysis) (Furaldehyde)

MARTYNEKO, K.D.; KAPLAN, M.H.

Production of furrurole in Italy and France. Gidrolis.1
lesokhim.prom. 12 no.6:26-29 '59. (MIRA 13:2)

1. Giprogidrolis.
(Italy--Furaldehyde) (France--Furaldehyde)

MEDVEDEV, V.M.; KAPLAN, M.M.

Conference on problems in protecting construction elements
from corrosion. Prom. stroi. 38 no. 12:60 '60. (MIRA 13:12)
(Corrosion and anticorrosives)

KAPLAN, M.P., inzh.; BLYUMINA, B.Yu., inzh.

Some problems in the operation of unit-type gas-turbine
installations driving an a.c. generator. *Teploenergetika*
no.4:56-62 Ap '60. (MIRA 13:6)

1. Khar'kovskiy turbinnyy zavod.
(Turbogenerators)

KAPLAN, M.P., inzh.

Determination of the optimum parameters of steam and gas cycles.
Teploenergetika 8 no.5:6-11 My '61. (MIRA 14:8)

1. Khar'kovskiy turbinnyy zavod.
(Gas turbines)

SHUBENKO-SHUBIN, L.A.; KAPLAN, M.P., insh.

"Gas turbines; theory and design" by IA.I.Shnee. Reviewed by L.A.
Shubenko-Shubin, M.P.Kaplan. Energomashinostroenie 7 no.10:
43-44 0 '61. (MIRA 14:10)

1. Chlen-korrespondent AN USSR (for Shubenko-Shubin).
(Gas turbines) (Shnee, IA.I.)

SHUBENKO-SHUBIN, L.A.; KORZH, P.I., inzh.; KAPLAN, M.P., inzh.;
PALEY, V.A., inzh.

Gas turbines for large power stations. Teploenergetika 8 no.11:
5-12 N '61. (MIRA 14:10)

1. Khar'kovskiy turbinnyy zavod. 2. Chlen-korrespondent
AN USSR (for Shubenko-Shubin).
(Gas turbines)
(Power engineering)

KAPLAN, Marlen Pavlovich; SAVCHENKO, L.Ya., red.; STARODUB, T.A., tekhn.
red.

[Analysis of the layout of gas-turbine units for electric power
plants] Analiz skhem gazoturbinnnykh ustanovok dlia elektro-
stantsii. Kiev, Gostekhnizdat USSR, 1962. 109 p. (MIRA 15:9)
(Electric power plants—Equipment and supplies)
(Gas turbines)

PHASE I BOOK EXPLOITATION

SOV/6173

Kaplan, Marlen Pavlovich

Analiz skhem gazoturbinnnykh ustanovok dlya elektrostantsiy
(Analysis of Gas-Turbine Installation Schemes for Electric
Power Stations). Kiyev, Gostekhzdat, 1962. 109 p. 1800
copies printed.

Ed.: L. Ya. Savchenko; Tech. Ed.: T. A. Starodub.

PURPOSE: This book is intended for engineers and scientific
workers dealing with the design of gas-turbine engines and
also for students of these engines.

COVERAGE: The book describes the results of investigations of
variable regimes of gas-turbine power plants intended for
electric power station operation. Some of the results con-
cern gas-turbine installations (GTI) used in other areas of
the national economy. The book discusses the influence of
special structural features of "block" or "unit" schemes

Card 1/1

2

Analysis of Gas-Turbine (Cont.)

SOV/6173

(i.e., schemes in which one or several compressors are located on the generator - turbine shaft) on the economic utility of GTI and on the conditions of compressor operation. Problems of turbine operation on noncalculated parameters of atmospheric air are discussed, and means of improving installation parameters by using variable-angle stators in turbines and compressors are given. Engineer E. Yu. Blyumin took part in the latter study. Included also are results connected with the selection of basic diagrams of the 50,000-kw gas-turbine installation designed and constructed at the Khar'kov Turbine Plant. In the introduction it is mentioned that in recent years the gas temperature in front of the turbine in stationary GTI has been increased to 750 - 800°C. Engineers E. Yu. Blyumin, V. G. Reznikov, M. Z. Nakhmkin, V. A. Paley, and O. A. Macheret helped the author with the calculations. There are 25 references: 12 Soviet, 11 English, 1 French, and 1 German.

Card 2/2

2

SHUBENKO- SHUBIN, L.A.; KAPLAN, M.P., inzh.

Justification of the efficient types of combined gas-and-steam
plants for high capacity power production. Toplenergetika 9 no.11:2-10
N '62. (MIRA 15:10)

1. Khar'kovskiy turbinnyy zavod. 2. Chlen-korrespondent
AN UkrSSR (for Shubenko-Shubin).
(Power plants—Design and construction)

KAPLAN, M.P., inzh.

Analysis of the power cycles of large steam and gas systems.
Energomashinostroenie 9 no.9:18-22 S '63. (MIRA 16:10)

SHUBENKO-SHUBIN, L.A., doktor tekhn. nauk, prof.; KAPLAN, M.P., inzh.

Concerning B.V.Rebrov's book "Marine gas turbine systems." Energo-
mashinostroenie 11 no.7:47 J1 '65. (MIRA 18:7)

1. Chlen-korrespondent AN UkrSSR (for Shubenko-Shubin).

AP 5-11970

double shaft gas turbine installation

by I. I. Ilyin, Izobreteniy i tovarnykh znakov

gas turbine engine

This Author's Certificate introduces a double shaft gas turbine installation. On one shaft are a medium pressure compressor and a low pressure turbine, while on the other shaft are low and high pressure compressors and a high pressure turbine. The installation is designed for high and low partial loads. It has a valved bypass line which connects the air channel after the medium compressor with the gas channel after the low pressure turbine.

"APPROVED FOR RELEASE: 06/13/2000

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L 50374-65

ACCESSION NR: AP5017870

ENCLOSURE: 01

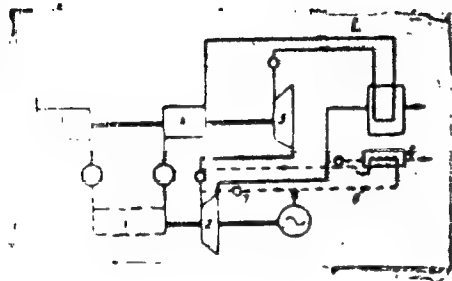


Fig. 1. 1--medium pressure compressor; 2--low pressure turbine; 3--low pressure compressor, 4--high pressure compressor; 5--high pressure turbine; 6--bypass line, 7--valve, 8--regenerator

Card 3/3 *ADP*

(A) L 9457-66 EPA/EWP(f)/EPF(n)-2/T-2/ETC(m) WW

ACC NR: AP5025067

SOURCE CODE: UR/0286/65/000/016/0117/0117

AUTHORS: Kaplan, M. P.; Povolotskiy, L. V. 44,55

44
B

ORG: none

TITLE: Method for starting a two-shaft gas turbine engine. Class 46, No. 174041

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 117

TOPIC TAGS: gas turbine engine, engine start up, gas turbine operation, *ENGINE STARTER SYSTEM, ENGINE COMPRESSOR SYSTEM*

455 ABSTRACT: This Author Certificate presents a method for starting up a two-shaft gas turbine which has the medium pressure compressor and the low pressure turbine on one shaft and the low pressure compressor and high pressure turbine on the other shaft. To permit starting with only one electric motor located on the low pressure turbine shaft, part of the air from the medium pressure compressor is ducted to the low pressure combustion chamber (see Fig. 1).

Card 1/2

UDC: 621.438-573

L 9457-66

ACC NR: AP5025067

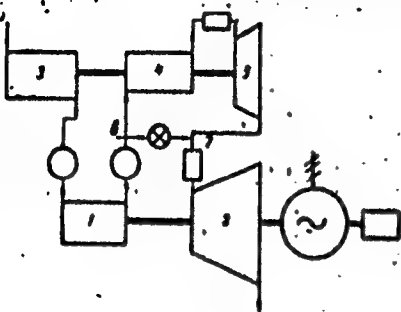


Fig. 1. 1 - Medium pressure compressor;
2 - low pressure turbine;
3 - low pressure compressor;
4 - high pressure compressor;
5 - high pressure turbine;
6 - duct from medium pressure compressor;
7 - duct to low pressure combustion chamber.

Orig. art. has: 1 figure.

SUB CODE: 21 / SUBM DATE: 28Mar64

Card 2/2 pu

KAPLAN, M. Ya.; STEKHUN, F. I.

Results of the treatment of gonorrhea in males with penicillin
in oil. Vest. vener., Moskva no.5:32-33 Sept-Oct 1951. (CML 21:1)

KAFLAN, L. YA., STEKHUN, F. I.,

Genorrhea

Treatment of male gonorrhea with penicillin in combination with autohemotherapy. Vest. ven i
derm. No. 2, 1952

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

IVANOV, N.P.; YEREMEYEV, A.S.; LYUTER, R.A.; KAPLAN, M.Ya.; IPATOV, P.M.

Powerful hydrogenerators. Elektrosila no.14:5-11 '56.
(MIRA 12:12)
(Hydroelectric power stations)

KAPLAN, M.Ya.

Bearings of hydrogenerators. Elektrosila no.14:27-32 '56.
(MIRA 12:12)
(Electric generators) (Bearings (Machinery))

TRUNIN, A.P., kand. tekhn. nauk; DERYABIN, I.M., inzh.; BESPALOV, I.V., inzh.;
VOSKANYAN, V.A., inzh., nauchnyy red.; KAPLAN, M.Ya., red.; VOLCHOK,
K.M., tekhn. red.; PUL'KINA, Ye.A., tekhn. red.

[Engineering preparation for large-element construction; from the
experience of Leningrad construction projects] Inzhenernaia pod-
gotovka krupnoelementnoi zastroiki; iz opyta leningradskikh stroek.
Leningrad, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materi-
alam, 1961. 171 p. (MIRA 14:7)

(Building sites) (Leningrad—Building)

ZIMIN, Vladimir Ivanovich; ~~KAPLAN~~, Moisey Yakovlevich; PALKY, Anna Markovna;
RABINOVICH, Isay Natanovich; FEDOROV, Vasilii Petrovich [deceased];
KHAKKEN, Petr Andreyevich; RIVLIN, L.B., red.; SOBOLEVA, Ye.M.,
tekhn.red.

[Electric machinery windings] Obmotki elektricheskikh mashin.
Ind.5., perer. Moskva, Gos.energ.izd-vo, 1961. 475 p.
(MIRA 14:6)

(Electric machinery—Windings)

GRISHIN, V.Ya.; ZVORONO, Ya.P.; KAPLAN, M.Ya.

Electrical equipment for an electromagnetic stirring of molten
steel. Elektrosila no.22:18-22 '63. (MIRA 17:1)

BRATSK, B. 14.

Hydroelectric power station for the Bratsk Hydroelectric Power Station.
Bul. tekhn.-zhizn. inform. no. 2:40-41 '61. (P. 14:2)
(Bratsk hydroelectric power station) (electric generators)

DOMEROVSKIY, V.V., inzh.; KAPLAN, M.Ya., inzh.

Design of large hydrogenerators. Vest.elektroprom. 33 no.4:11-15
Ap '62. (MIRA 15:4)

(Turbogenerators)

DOMBROVSKIY, V.V., insh.; IPATOV, P.M., kand.tekhn.nauk; KAPLAN, M.Ya., insh.;
PINSKIY, G.B., insh.

Large hydrogenerators. Elek. sta. 34 no,1:37-43 Ja '63.
(MIRA 16:2)

(Hydroelectric power stations)
(Turbogenerators)

DOMBROVSKIY, Vyacheslav Vyacheslavovich; YEREMEYEV, Aleksandr
Sergeyevich; IVANOV, Nikolay Pavlovich; IPATOV, Pavel
Mikhaylovich; KAPLAN, Moiseye Yakovlevich; PINSKIY,
Grigoriy Borisovich; ~~ZHELEZ, G.K., Nauchn. red.;~~
ZARITSKIY, Ya.V., red.

[Design of hydrogenerators] Proektirovanie gidrogenera-
torov. [By] V.V.Dombrovskii i dr. Moskva, Energiia.
Pt.1. 1965. 257 p. (MIRA 18:3)

BULACH, M. Kh.; KAPLAN, M. Ye.

Study of fracturing in Upper Cretaceous rocks of the northeastern
Caucasus. Trudy VNIIGRI no.193:30-55 '62. (MIRA 15:12)
(Caucasus, Northern—Oil sands)

KAPLAN, M.Ye.

Bituminous and chemical characteristics of stylolites in the
limestones of the Northern Caucasus. Trudy VNIGRI no.227
Geokhim.sbor. no.9:212-225 '61. (MIRA 18:1)

KAPLAN, M. Ye.

Stylolites of the Upper Cretaceous limestones of the northeastern
Caucasus. Trudy VNIIGRI no.223:110-131 '64. (MIRA 17:8)

Genetic affinity of macro- and microfractures in limestone.
Ibid.:276-284.

KAPLAN, M. Ye.; BULACH, M. Kh.

Connection between stylolitic structures and fracturing in rocks.
Trudy VNIGRI no.193:178-186 '62. (MIRA 15:12)
(Stylolites) (Joints (Geology))

KAPLAN, M.Ye.

Organic matter of stylolites. Geokhimiya no.8:754-758 Ag '63.
(MIRA 16:9)

1. All-Union Institute of Oil Scientific Research and Geological Prospecting.

SMEKHOV, Ye. M., prof.; BULACH, M.Kh., kand. geol.-mineral. nauk;
ROMM, Ye.S.; GORYUNOV, I.I.; GMID, L.P.; GROMOV, V.K.;
DOROFYEVA, T.V.; KNORING, L.D.; KALACHEVA, V.M.; TATARINOV,
I.V.; KLEYNOBOV, Yu.F.; KAPLAN, M.Ye.; ZVONITSKAYA, I.V.;
MAZURKEVICH, Z.I.; DRYABINA, N.N.; RUSAKOVA, L.Ya., vedushchiy
red.; BARANOVA, L.G., tekhn. red.

[Methodological text on the study of the fracturing of rocks
and fractured oil and gas reservoirs]. Metodicheskoe posobie
po izucheniiu treshchinovatosti gornyykh porod i treshchinnykh
kollektorov nefti i gaza. Leningrad, Gostoptekhsdat, 1962.
76 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'-
skii geologorazvedochnyi institut. Trudy, no.201).

(MIRA 16:4)

(Joints(Geology)) (Oil sands)

KAPLAN, M.Ye.

Diagenesis and epigenesis of Triassic sediments in the southern part
of the Maritime Territory. Dokl. AN SSSR 163 no.4:977-979 Ag '65.
(MIRA 18:8)

I. Vseroyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
Institut. Submitted April 27, 1965.

KAPLAN, N.

Good Soviet souvenirs are needed. From.koop. 14 no.2:10-11
P '60. (MIRA 13:5)

1. Zaveduyushchaya laboratoriyey Nauchno-issledovatel'skogo
instituta khudozhestvennoy promyshlennosti Rospromsoveta.
(Souvenirs(Keepsakes))

Kaplan, M.

Richardson, George W. (1911-1981)

KAPLAN, N.; GURNEVICH, A.,

Building meat combines in the Crimea. Mias. ind. SSSR 26 no. 6:
36-39 '55. (MLRA 9:2)

1. Ciprouyase.
(Crimea--Meat industry)

KAPLAN, H.; ITINA, M.

Manufacturing an artificial protein casing. Mas. ind. SSSR
30. no.3:40-41 . '59. (MIRA 12:9)

1. Glycerase.
(Sausage casings)

KRYUKOVA, I., kand.iskusstvovedeniya; RABOTNOVA, I., kand.iskusstvove-
deniya; YAKOVLEVA, Ye., kand.iskusstvovedeniya; KAPLAN, N.

This will be seen at the exhibition. Prom.koop. 14 no.6:
4-6 Je '60. (MIRA 13:7)
(Moscow--Art industries--Exhibitions)

KAPLAN, N., inzh.po tekhnike bezopasnosti.

Facing his friends. Okhr. truda i sots. strakh. 4 no. 2:36-
37 F '61. (MIRA 14:2)

1. Vinnitskiy masloshirkombinat.
(Vinnitsa—Oil industries—Hygienic aspects)

BOLDYREV, P.; KAPLAN, N.; GUREVICH, A.

Selecting the type and capacity of meat industry enterprises
under construction. *Mas.ind.S.S.S.R.* 33 no.6:29-33 '62.

(MIRA 16:1)

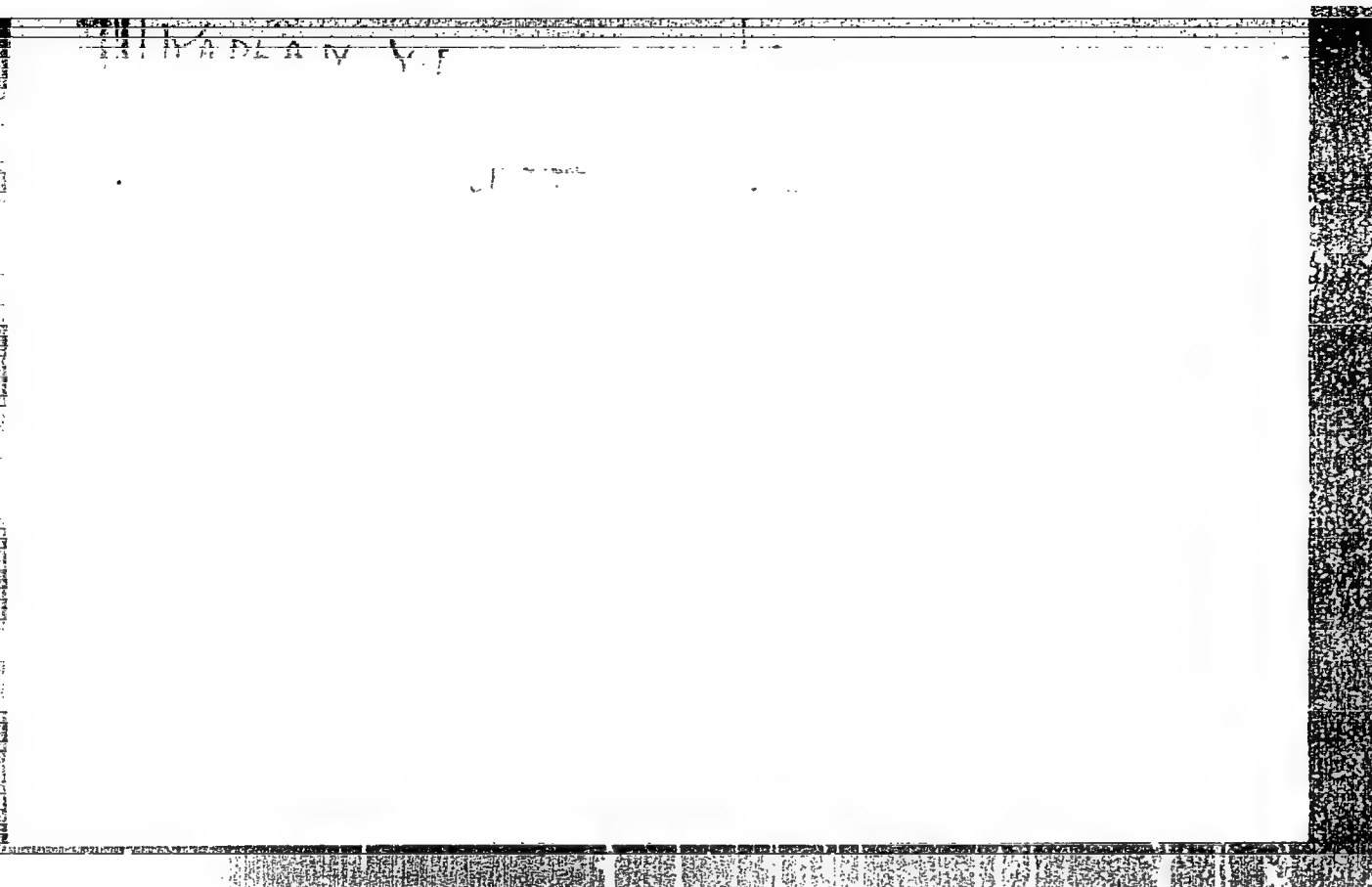
1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy
myasnoy promyshlennosti.

(Meat industry)

(Factories—Design and construction)

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KAPLAN, N. I.

USSR/Chemical Technology - Chemical Products and Their Application. Wood Chemistry
Products. Cellulose and Its Manufacture. Paper, I-23

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63349

Author: Konkin, A. A., Kaplan, N. I., Rogovin, Z. A.

Institution: None

Title: Comparative Investigations of the Rate of Hydrolysis of Xylan and
Cellulose

Original

Periodical: Zh. prikl. khimii, 1955, 28, No 7, 729-734

Abstract: Rate of xylan hydrolysis in a homogeneous medium is about 4 times and
in a heterogeneous medium 70 times higher than that of cellulose. The
principal factor that determines the higher rate of xylan hydrolysis,
as compared with cellulose in a heterogeneous medium is not the com-
position of the elemental units but the different physical structure
of these polysaccharides which determines the difference in intensity
of intermolecular interaction.

Card 1/1

AID P - 3571

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 8/20

Authors : Konkin, A. A., N. I. Kaplan, and Z. A. Rogovin

Title : Comparative study of the hydrolysis rate of xylane and cellulose

Periodical : Zhur. prikl. khim., 28, 7, 729-734, 1955

Abstract : The rate of hydrolysis of xylane in a homogeneous medium is 3.75 times greater than that of cellulose. In a heterogeneous medium, the hydrolysis of xylane proceeds 70-75 times more rapidly than that of cellulose. Three tables, 15 references, 10 Russian (1948-1953).

Institution : Moscow Textile Institute. Chair of Artificial Fibers

Submitted : N 22, 1953

KAPLAN, N.L.

Method of making combined non-removable dental prostheses.
Stomatologiya no.2:57 Mr-Apr '54. (MLRA 7:4)

1. Is kafedry ortopedicheskoy stomatologii (zaveduyushchiy - professor A.I.Betel'man) Kiyevskogo meditsinskogo stomatologicheskogo instituta (direktor - professor A.K.Gorchakov).
(Artificial teeth)

SAKADA, Ya.N.; MUKHIN, N.S.; KAPLAN, N.L.; FRIDMAN, M.

Some proposals for improvement in dental prosthesis technics. Stomatologia 38 no.5:78 8-0 '99.
(MIRA 13:3)

1. Zaveduyushchiy subeprotseyny laboratoriyey Moskovskogo meditsinskogo stomatologicheskogo instituta.
(DENTAL PROSTHESIS)

KAPLAN, Y.M.
SHNITSER, S.S., kandidat ekonomicheskikh nauk; KARAKOZOVA, V.V.; KAPLAN,
Y.M.; GUREVICH, A.I.

Comparative economic effectiveness of building meat enterprises
of different capacities. Trudy VNIIE no.6:127-139 '54. (MLRA 10:6)
(Meat industry)

ANDRIANOV, S.M.; BARYUTIN, B.S.; BEZHETSKIY, M.I.; BOGDANOV, M.H.;
GOLOVANOV, S.V.; IOFE, N.S.; KAPLAN, S.M.; KIRBYEV, A.V.;
KOLOBOV, G.M.; KOROLEVA, M.A.; KURIN, A.I.; MINAYEV, M.S.;
POZENYAKOVA, T.A.; PROKOPOVICH, V.M.; SOLOV'YEV, S.N.;
TENT'YAKOV, N.P.; CHEKOV, A.M.; FILIMONOV, N.D.

Petr Fedorovich Lal'kov; obituary. Ptitsvodstvo 9 no.8:48
Ag '59. (MIRA 12:12)
(Lal'kov, Petr Fedorovich, 1905?—1959)

DEREVIANKO, M.F.; KAPLAN, N.M.

~~SECRET~~
Economic conference at the Vinnitsa Oils and Fats Combine.

Masl.-shir.prom. 26 no.4:17-18 Ap '60.

(MIRA 13:6)

(Vinnitsa--Oil industries--Equipment and supplies)

ARATOV, I.S.; KAPLAN, N.M., inzh.; WIZAMOVA, N.W., inzh.;
GUSEVA, M.I., inzh.

Various information. Masl.-shir. prom. 29 no.3:39-40 Mr '63.
(MIRA 16:4)

(Oil industries)

BATRAKOVA, I.O.; KAPLAN, N.M.

Utilization of wastes in the Vinnitsa Oils and Fats combine.

Khar. prom. no.1:60-61 Ja-Mr '65.

(MIRA 13:4)

BATRAKOVA, I.O.; KAPLAN, N.M.

Utilization of wastes in the Vinnitsa Oils and Fats combine.
Khar. prom. no.1:60-61 Ja-Mr '65. (MIRA 1814)

KAPLAN, O. YA.

27983. KAPLAN, O. YA. -- Khronicheskiye meta-epifizarnyye i osteoniel'nyy agnestrel'nogo
vroiskhodeniya. Trudy nervoy nauch. Mekhresp. Korf-tsil po lecheniyu invalidov
otechestv. Voiny v cred. Azii. Tashkent, 1949, 3. 18-39.

30: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

KAPLAN, P.

O khode podgotovki k zime linii Moskva-Khar'kov Moskovskogo upravleniia GVE.
/On the methods of preparing the Moscow-Kharkov line for winter operations/.
(Grazhdanskaia aviatsiia, 1934, no. 9, p. 4-6).

DLC: TL524.G7

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

117

Compensatory properties of the liver in carbohydrate metabolism. P. M. Kaplan. *Med. exp.* (Ukraine) 1986, No. 6, 45-55. Glucose was administered to dogs per os (0.5-4.0 g./kg. body wt.) and detd. in the blood after 30 min.-4 hours. Removal of 40-45% of the liver tissue had no effect on the blood-sugar content except that of delaying the max. of the hyperglycemia and the return to normal in response to sugar administration. From 20 to 25 days after the operation the blood-sugar tolerance curve returned to normal. S. A. Corson

ASB-55.6 METALLURGICAL LITERATURE CLASSIFICATION

CP

HE

Compensating characteristics of the liver in carbo-
hydrate metabolism. P. M. Karpis. Bull. biol. med.
exptl. U. R. S. S., 86-4(1957) (in German).—See C. A.
81, 2384d.

S. A. Karpis

AD-55A METALLURGICAL LITERATURE CLASSIFICATION

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11E

CA

PROCESSES AND PROPERTIES INDEX

The cerebellum and carbohydrate metabolism. P. M. Kaplan. *Ist. expil. (Ukraine) 1937, No. 4, 37-44* (1937); *Chem. Zentr. 1938, II, 2290-1*.—Using 8 dogs as *expil.* animals, the blood sugar was detd. after fasting and again after feeding glucose. These detns. were made before and after removal of the cerebellum. Removal of this organ was without effect on the blood sugar of the fasting animals. On the other hand, the increase in the blood sugar after the feeding of glucose was much higher after the cerebellum had been removed than before the operation. This more pronounced reaction to glucose, however, was not stable; the normal reaction was shown once more after 10-20 days. M. G. Mowry.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

100000 111 000 000

COLLECTIONS

100000 111 000 000

1ST AND 2ND CAPSULES		PROCESS AND PROPERTIES INDEX		3RD AND 4TH CAPSULES	
CA				11F	
<p>The cerebellum and carbohydrate metabolism. II. P. M. Kaplan. <i>J. Physiol. (U.S.S.R.)</i> 23, 323 (1959); <i>Cibac Rev.</i> 1960, 1, 903; cf. C. A. 34, 5127. The operative removal of the vermisform process together with the medial portions of the cerebral hemispheres of expl. animals (dogs) altered the blood-sugar level of the animals, which were fasting. Extirpation of the cerebellum had a like effect. The administration of glucose (1.5 g. per kg. of body wt.) after both of these operations produced a quantitatively equal hyperglycemia in both cases. The hyperglycemia persisted for 30-45 days in the first case and 2.5-3 months in the 2nd. Extirpation of the vermisform process alone produced a less pronounced increase in the blood-sugar level after the administration of glucose. After removal of the vermisform process along with the medial portions of the cerebral hemispheres as well as after extirpation of the cerebellum the curves showing the sugar values were higher than normal; this was true especially just after operation. Removal of small portions of the cerebellum had only slight effect on the blood-sugar level.</p> <p>Moore</p>					
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION					
12000 51000000		12000 51000000		12000 51000000	
12000 51000000		12000 51000000		12000 51000000	

CH

Hunger-loading effect on blood pressure. F. M. Kaplan
and R. I. Levine. Tracheotomy July 20, 1946 (1948). —
Dogs and rabbits, given 1.5-2.0 g/kg glucose per os,
showed an increase of blood pressure by some 20%; the
effect dies out in about 2 hrs. Rabbits given 5 g/kg cane
sugar gave an even sharper effect (shown in curves).
G. M. Krasnopoff

11H

ASAC-BL DETAILING LITERATURE CLASSIFICATION

FORM 100-100

RECEIVED

100-100-100

KAPLAN, P. M.
USSR.

✓ Experimental hyperparathyroidism. Z. B. Dolgins and P. M. Kaplan (Ukrain. Inst. Exptl. Endocrinol., Med. Stohatyr Inst., Kharkov). *Arkiv. Patol.* 13, No. 5, 23-33 (1951).—Chronic irritation of the parathyroid glands of rabbits, dogs, and rats leads to significant and prolonged hypercalcemia. Following extirpation of 3 parathyroid glands in rabbits (resulting in hypocalcemia) and irritation of the remaining gland prevents hypocalcemia and leads to hypercalcemia. The irritation of the gland was induced by a thread pulled through the gland. J. A. Stekol.

BROMBERG, M.D.; DINERSHTEYN, Z.M., professor, direktor; DOLOGINA, Z.B.; KAPLAN,
P.M.; VLASENKO, P.V., direktor.

Effect of chronic irritation of parathyroid glands on teeth and jaws. Stomatologia no.4:3-6 J1-Ag '53. (MLRA 6:9)

1. Institut eksperimental'noy endokrinologii (for Dinershteyn). 2. Meditsinskiy stomatologicheskiy institut (Khar'kov) (for Vlasenko).
(Parathyroid glands--Diseases) (Teeth) (Jaws)

USSR/Human and Animal Physiology. Internal Secretion.

V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 27180.

Author : P.M. Kaplan, G.K. Dayneka, E.V. Markova and
N.M. Turubiner

Inst :

Title : Interoceptive Influences of the Parathyroid Glands

Orig Pub: Probl. endokrinol. i gormonoterapii, 1955, 1, No 2,
57-67.

Abstract: In 7 out of 8 dogs and 8 out of 11 rabbits after removal of the parathyroid glands of one side and in 6 out of 10 rabbits after removal of the outer parathyroid gland, there occurred a considerable increase in the chronaxie of the muscles of the same side (m. tibialis anticus). This phenomenon is viewed as the result of the drop in centripetal

Card : 1/3

Dept. Electrophysiology, Ukr Inst Exptl. Endocrinology

USSR/Human and Animal Physiology. Internal Secretion.

V

Abs Jour: Ref Zhur-Biol., No 6, 1958, 27180.

influence of parathyroid interoceptors. Removing the rabbit parathyroid glands from one side against a background of asymmetry in the blood Ca content of symmetrical vessels as a result of chronic stimulation of the motor and premotor zones of the cortex of the same side produces a change in the direction of the asymmetry toward the opposite side. The direction of asymmetry in Ca content is not altered when the contralateral (with respect to the focus of cortical stimulation) parathyroid glands are removed. The continuous inflow of impulses from parathyroids sewn through on one side with thread resulted in 15 out of 20 rabbits and in dogs in a shortening of chronaxie on the side stimulated. After inhibition (sleep)

Card : 2/3

68

USSR/Human and Animal Physiology. Internal Secretion.

V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 27180.

the asymmetry in chronaxie caused by removal or stimulation of parathyroid glands was seen to disappear and to reappear again at the conclusion of the inhibition. After conditioned reflexes were established for the parotid gland with subsequent removal or stimulation of one or both parathyroid glands of one side, conditioned-reflex activity was altered homolaterally (or changed bilaterally, but not to the same extent)-- in the case of removal, as a result of the fall in conditioned-reflex activity; with stimulation, as a result of its intensification.

Card : 3/3

KAPLAN, P.M.

DIMERSHTEYN, Z.M. (Khar'kov); KAPLAN, P.M. (Khar'kov); SERDYUKOVA, O.A.
(Khar'kov)

Effect of surgery of the oral cavity on gastric evacuatory function.
Probl. stom. 3:277-282 '56 (MLRA 10:5)
(STOMACH) (MOUTH--SURGERY)

KAPLAN, P.M.

LEKHITSKIY, L.I. (Khar'kov); VORONYANSKIY, G.S. (Khar'kov); ~~KAPLAN, P.M.~~
(Khar'kov) SUKHOVIY, F.I. (Khar'kov); DINERSHTAYN, Z.M. (Khar'kov);
SERDYUKOVA, O.A. (Khar'kov)

Clinical, anatomical and physiological peculiarities of epulis.
Probl. stom. 3:303-316 '56 (MLA 10:5)
(GUMS--TUMORS)

KAPLAN, P.M.; TURUBINER, N.M.

Vitality of rabbits following excision of the parathyroid glands in two stages. Fiziol. zhur. 42 no.5:393-396 My '56. (MIRA 9:11)

1. Ukrainskiy institut eksperimental'noy endokrinologii, Khar'kov.
(PARATHYROID GLAND, surg.
oper. excis. in two stages, postop. vital capacity of
rabbits)

KAPLAN, P.M., TURUBINER, N.M., CHUMAKOVA, T.A. [Chumakova, T.O]

Influence of the interoceptors of parathyroid glands on the higher nervous activity [with summary in English]. *Fiziol. zhur. Ukr.*
4 no.5:604-611 8-0 '58 (MIRA 11:11)

1. Ukrainskiy institut eksperimental'noy endokrinologii, etdel elektrofiziologii.
(PARATHYROID GLANDS—INNERVATION)
(CONDITIONED RESPONSE)

KAPLAN, P.M.; MARKOVA, Ye.V.; TURUBINER, N.M.

Effect of splenectomy on calcium concentration in blood serum.
Fiziol.smur. 45 no.8:1009-1014 Ag '59. (MIRA 12:11)

1. Ukrainskiy institut eksperimental'noy endokrinologii,
Khar'kov.

(SPLEEN, surgery)

(CALCIUM, blood)

KAPLAN, P.M.; MARKOVA, Ye.V.; TURUBINER, N.M.

Interceptive influences of parathyroid glands. Sbor. nauch. trud.
Ukr. nauch.-issl. inst. eksper. endok. 15:172-183 '59.

(MIRA 14:11)

(PARATHYROID GLANDS) (RECEPTORS (NEUROLOGY))

KAPLAN, P.M.; AKISHINA, N.I.; TURUBINER, N.M.

Effect of spleen transplantation on the concentration of calcium
in the blood serum. Fiziol. zhur. 46 no.12:1497-1501 D '60.

(MIRA 14:1)

1. Ukrainskiy institut eksperimental'noy endokrinologii, Khar'kov.
(SPLEEN—TRANSPLANTATION) (CALCIUM IN THE BODY)
(BLOOD PLASMA)

KAPLAN, P. M., prof. (Khar'kov)

Reception of the endocrine glands. Probl. endok. i gorm. no.6:105-114
'61. (MIRA 14:12)

1. Iz otdela elektrofiziologii (zav. - prof. P. M. Kaplan) Ukrainskogo
instituta eksperimental'noy endokrinologii (dir. - kandidat meditsin-
skikh nauk S. V. Maksimov)

(ENDOCRINE GLANDS) (RECEPTORS(NEUROLOGY))

KAPLAN, Pavel Moiseyevich, prof.; ~~SAKHNOVSKIY~~, Ya.D., dots., otv. red.;
VAYNBERG, D.A., red.; ALEKSANDROVA, G.P., tekhn. red.

[Receptors of the endocrine glands] Retseptsia endokrinnykh
zhelez. Khar'kov, Izd-vo Khar'kovskogo univ., 1961. 201 p.
(MIRA 15:7)

(ENDOCRINE GLANDS—INNERVATION)

KAPLAN, P.M., prof. (Khar'kov); TURUBINER, N.M., kand. med. nauk (Khar'kov).

Effect of endocrine gland reception on higher nervous activity
and on its possible participation in mental disorders of en-
docrine origin. Probl. endok. i gorm. 9 no.5:49-54, 8-0'63.

(MIRA 16:12)

1. Iz otdela elektrofiziologii (zav. - prof. P.M. Kaplan) Ukra-
inskogo instituta eksperimental'noy endokrinologii (dir. - kand.
med. nauk. S.V. Maksimov).

KAPLAN, P.M.; TURUBINER, N.M.

Possible role of the receptive factor of the glands of internal secretion in mental disorders of endocrine origin. Trudy. Ukr. nauch.-issl. inst. eksper. endok. 19:179-189 '64. (MIRA 18:7)

1. Iz otdela elektrofiziologii Ukrainskogo instituta eksperimental'noy endokrinologii.

~~TOLEDO, P. M., MARKOVA, T. V., TORBINER, N. M.~~

"Unconditioned and Conditioned Reflex Asymmetry As An Index of Interoception of the Suprarenals."

Theses of the Proceedings of the Annual Scientific Sessions 23-26 March 1959
(All-Union Institute of Experimental Endocrinology)

From the Department of Electrophysiology (Head--Professor P.M. Kaplan) of the
Ukrainian Institute of Experimental Endocrinology (Director--S. V. Maksimov,
Candidate of Medical Sciences)

KAPLAN, R.		13	
<p>Resin as an insulator. P. Chigunov and R. Kaplan. <i>Leningrad. Prom. S. No. 4, 24-7(1940); Chem. Zvesti. 1940, 11, 1761 3</i> - The elec. const. of the neutral part of resin is 4-fold that of the acid. The insulation should be prepul. from pure resinic acid, or the neutral component should be removed by chem. or preferably phys. means. The neutral component can be removed by adsorption on Al₂O₃ activated with 10% H₂SO₄. Activation of the alumina after treatment impairs the adsorption capacity. This treatment of resin and of a 20 ml resin oil mix diminished their dielectric losses appreciably.</p> <p style="text-align: right;">M. Hirsch</p>			
<p>ASD-514 DETAIL LOGICAL LITERATURE CLASSIFICATION</p>			
<p>SEARCHED INDEXED SERIALIZED FILED</p>			
<p>NOV 1940</p>			

ACC NR: AP6008728

(A)

SOURCE CODE: UR,0356/65/000/011/0022/0026

AUTHOR: Kaplan, R. (Engineer); Nesterov, Ye. (Engineer)

ORG: none

TITLE: A mobile-water raising installation

SOURCE: Tekhnika v sel'skom khozyaystve, no. 11, 1965, 22-26

TOPIC TAGS: water, pump, special purpose truck, agricultural machinery/ PPV-30 special purpose truck

ABSTRACT: The authors describe the PPV-30 mobile unit developed by the Kazakh Scientific Research Institute of Mechanization and Electrification of Agriculture designed for raising water from well shafts up to 30 m deep. The unit consists of an O-16-A air compressor, a PN-2K pneumatic pump and a mechanical winch mounted on a UAC-450D truck. The compressor is driven at 1100-1200 rpm from the truck engine through a power takeoff shaft. The output air pressure varies from 3 to 4 kg/cm². Using this mobile unit, a single driver may cover ten watering places separated by up to 5 km in a single seven-hour shift pumping 5 cubic meters of water from each well. The pump has a capacity of 12 cm³/hr with a head of up to 30 meters. The unit is very useful on sheep ranches. Orig. art. has: 3 figures.

SUB CODE: 02/

SUBM DATE: 00/

ORIG REF: 000/

OTH REF: 000

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UDC: 621.649.7:633.2.033

SHCHERBAN', A.N. [Shcherban', O.N.] (Kiyev); KAFLAN, R.A. (Kiyev);
PRIMAK, A.V. [Prymak, A.V.] (Kiyev)

Transmitting device of a frequency telemetry system of low-
power output signals. Avtomatyka 8 no.6:42-46 '67.
(MIRA 17:8)

SULIM, Andrey Vasil'yevich. Prinimali uchastiye: SARKISOV, V.S.;
KAPLAN, R.B.; TARABORIN, N., nauchnyy red.; MOKRETSOV, A.,
red.; BONDAROVSKAYA, G., red.

[Manufacture of optical parts] Proizvodstvo opticheskikh
detalei. Moskva, Vysshaya shkola, 1964. 310 p.
(MIRA 18:2)

KAPLAN, R. L.

PHASE I BOOK EXPLOITATION

SOV/5590

42

Konferentsiya po poverkhnostnym silam. Moscow, 1960.

Issledovaniya v oblasti poverkhnostnykh sil; sbornik dokladov na konferentsii po poverkhnostnym silam, april' 1960 g. (Studies in the Field of Surface Forces; Collection of Reports of the Conference on Surface Forces, Held in April 1960) Moscow, Izd-vo AN SSSR, 1961. 231 p. Errata printed on the inside of back cover. 2500 copies printed.

Sponsoring Agency: Institut fizicheskoy khimii Akademii nauk SSSR.

Resp. Ed.: B. V. Deryagin, Corresponding Member, Academy of Sciences USSR; Editorial Board: N. N. Zakhavayeva, N. A. Krotova, M. M. Kusanov, S. V. Nerpin, P. S. Prokhorov, M. V. Talayov and G. I. Fuks; Ed. of Publishing House: A. L. Bankvitsner; Tech. Ed.: Yu. V. Pylina.

PURPOSE: This book is intended for physical chemists.

Card 1/8

Studies in the Field of Surface Forces (Cont.)

42
SOV/5590

COVERAGE: This is a collection of 25 articles in physical chemistry on problems of surface phenomena investigated at or in association with the Laboratory of Surface Phenomena of the Institute of Physical Chemistry of the Academy of Sciences USSR. The first article provides a detailed chronological account of the Laboratory's work from the day of its establishment in 1935 to the present time. The remaining articles discuss general surface force problems, polymer adhesion, surface forces in thin liquid layers, surface phenomena in dispersed systems, and surface forces in aerosols. Names of scientists who have been or are now associated with the Laboratory of Surface Phenomena are listed with references to their past and present associations. Each article is accompanied by references.

TABLE OF CONTENTS:

Zakhavayeva, N. N. Twenty-Five Years of the Laboratory of Surface Phenomena of the IFKhan SSSR (Institute of Physical Chemistry of the Academy of Sciences USSR)

Card 2/8

3

Studies in the Field of Surface Forces (Cont.)

SOV/5590

III. SURFACE FORCES IN THIN LAYERS OF LIQUIDS

Akhmatov, A. S. Fundamental Law of Boundary Friction and Its Physical Basis 93

Fuks, G. I. Properties of Organic Acid Solutions in Hydrocarbon Liquids at the Surface of Solids 99

Tolstoy, D. M. Some Considerations on the Regularities of Friction of the First Order 113

Tolstoy, D. M., R. L. Kaplan, Lin Fu-sheng, P'an Pin-yao. New Experimental Data on External Friction 126

Deryagin, B. V., N. N. Zakhavayeva, S. V. Andreyev, A. A. Milovidov, A. M. Khomutov. Study of the Flow of Thin Layers of Polymer Solutions By the Cinematographic Method 139

Voropayeva, T. N., B. V. Deryagin, B. N. Kabanov. Effect of the Concentration of an Electrolyte on the Magnitude of the

Card 5/8

15 6000
11 9000

31901
S/643/61/000/000/007/007
EO75/E485

AUTHORS: Tolstoy, D.M., Kaplan, R.L., Lin Fu-sheng,
Pan Pin-Yao

TITLE: New experimental data on surface friction

SOURCE: Konferentsiya po poverkhnostnym silam. Moscow, 1960.
Issledovaniya v oblasti poverkhnostnykh sil; sbornik
dokladov na konferentsii. Moscow, Izd-vo AN SSSR, 1961.
At heat of title: Akademiya nauk SSSR. Institut
fizicheskoy khimii. 126-138

TEXT: This paper is a continuation of a previous work of
D.M.Tolstoy and P'an Pin-Yao (Ref.1: Dokl. AN SSSR, 1957, v.114,
1231). The aim of the present work was to obtain more data on
the relationship between the dynamic and kinetic friction using a
traction-force dynamometer method. An improved vibrationless
apparatus is used which permits the study of kinetic surface
friction either by the method of recording of the frictional
oscillations or by measuring kinetic friction with the
oscillations completely damped. In the experiments where the
frictional oscillations were measured for the dry friction of the
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E075/E485

New experimental data ...

first degree, all oscillographs had see-saw shapes. The sliding surfaces investigated were steel on steel and steel on lead. The slider rested on three rigidly fixed balls (diameter 3 or 20 mm) or three curved surfaces (diameter 100 mm). The second surface was a flat metal plate. The surfaces were cleaned by fine silica gel powder (particle diameter less than 1 micron). The friction was studied for the dry surfaces and the surfaces wetted with a number of lubricants. The following conclusions have been drawn from the results obtained.

- 1) It was confirmed that the friction force decreases with sliding speed in the speed range of the order of microns per second and becomes constant in the speed range of tens and hundreds of microns per second. This applies to clean surfaces as well as to those covered with boundary lubricants.
- 2) It was established that the fall in the frictional coefficient with increasing sliding speed depends on the acceleration or deceleration of the slider. It is thought that the growth of friction force with the decreasing sliding speed is caused by the increase in the time of interaction between asperities on the sliding surfaces. This leads to a greater degree of plastic

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New experimental data ...

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deformation of the asperities and thus increases the total area of contact. This effect increases with deceleration.

3) The coefficient of friction increases with the time during which the sliding surfaces are at rest and reaches rapidly a constant value (4 to 10 sec). The presence of lubricant lengthens this period to 80 sec. Improvements of surface finish also increase the time of attainment of the equilibrium value of the friction coefficient.

4) An increase in the load applied to the slider, other conditions being constant, facilitates the initiation of frictional oscillations, not only on account of the increase in the frictional force but also because of a widening in the area in which the frictional force decreases. This decrease favours the frictional oscillations.

5) An increase of the surface finish and cleanliness also widens the area in which the frictional force decreases with speed and increases the coefficient of friction in this area.

6) The friction coefficient depends on the orientation of the rubbing plates, the parallel orientation giving the minimum values.

Card 3/5

New experimental data ...

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- 7) An additional factor causing the frictional oscillations is the difference between the static and kinetic friction coefficients.
 - 8) The friction coefficients increase with the diameter of the sliding curvatures when the underlying surface is softer than that of the sliding element.
 - 9) The lubricant not only lowers the static and kinetic friction coefficient and the difference between them but also slows down the growth of static friction force with the time of rest, which lowers the coefficient of static friction at the start of the sliding motion. Lubricating greases are especially effective in this respect.
 - 10) It is concluded that the limiting static friction force is, in fact, the first maximum in the kinetic friction force.
 - 11) It was found that the results obtained in this work obey the Amonton's law.
 - 12) Preliminary results obtained for the rolling friction show that there is a marked narrowing in the area of sliding speeds in which the fractional oscillations are possible.
- There are 10 figures, 2 tables and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc. The reference to an English language
Card 4/5

New experimental data ...

31901
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E075/E485

publication reads as follows: Ref.8: J. Burwell,
E. Rabinowicz. J. Appl. Phys., 1953, v.24, no.2, 136.

ASSOCIATION: Moskovskiy stankoinstrumental'nyy institut
im. I.V.Stalina (Moscow Institute of Machine Tools
and Instruments imeni I.V.Stalin)

Card 5/5

CHARIN, S. A., KATLAN, R. H.,

Spraying

"Wide-range pump for spraying fruit trees." Dokl. Ak. sel'khoz. 17 no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952 2 Uncl.

KAPLAN, R. M.

Spraying

Setting sprayers for a given discharge of vaporized poison. Sel'khoz mashina No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

MAILAN, R. M.

Scab Disease in Sheep

Apparatus for dusting sheep against scab disease. Dost. sel'khoz No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.